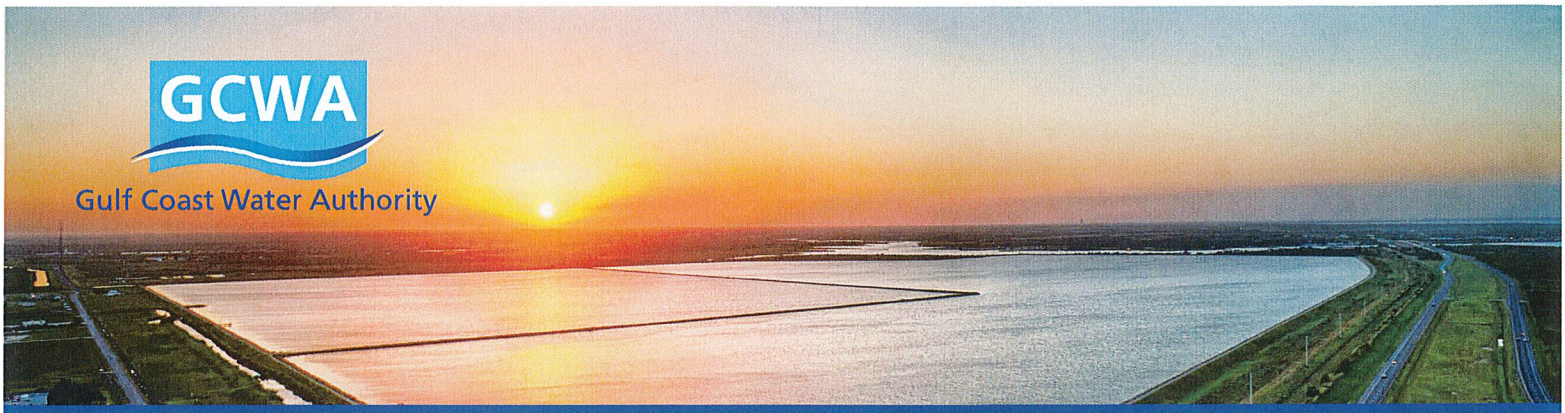
Gulf Coast Water Authority

Consumer Confidence Report 2020



RELIABLY DELIVERING WATER TO OUR CUSTOMERS

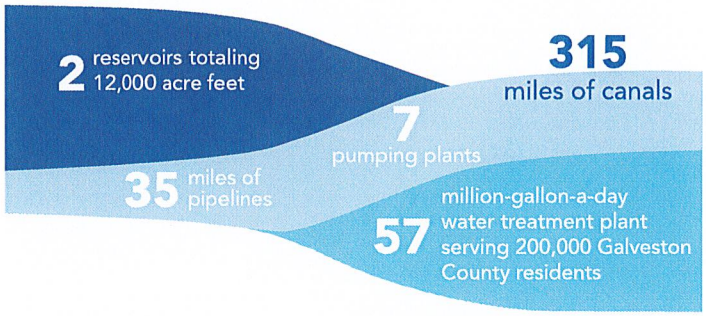
Water is essential for life, economic growth and national security. That's why we make it our mission to reliably provide vital water services to communities, businesses, farmers, and refining and petrochemical industries in our 3-county, 1.5 million-population service area.

We maintain an extensive system to deliver up to 200 million gallons of water a day from the Brazos River Basin, our primary water source, to wholesale customers across Brazoria, Galveston and Fort Bend counties.

Since established as a water utility by the Texas Legislature in 1965, we've continued to grow to meet the ever-changing needs of the communities and businesses we serve.

WHAT WE DO

We maintain an extensive water delivery system that carries raw water from the Brazos River, as well as Chocolate, Mustang and Halls bayous, directly to our wholesale customers and to our water treatment plant.



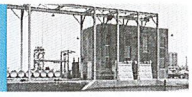
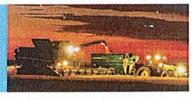
Our canal division continuously monitors and maintains 6 pumping plants, our canal system and more than 600 canal crossings. The division also provides water to farmers with a total of 17,300 acres.

Our industrial infrastructure includes an industrial pumping plant and pipeline system that provides water to major industries in the Texas City industrial complex. The new Joseph A. Willhelm Industrial Pumping Plant expands pumping capacity by almost 25 percent to 95 million gallons a day, ensuring long-term reliability and industrial growth.

Our water treatment plant is manned around the clock to produce tap water to serve almost 200,000 residents across Galveston County. The Thomas Mackey Water Treatment Plant has a daily production capacity of more than 57 million gallons.

GCWA is governed by a 10-member Board of Directors appointed by the Brazoria, Fort Bend and Galveston County Commissioners Courts to represent industrial, municipal and agricultural interests in our service area.

MAJOR MILESTONES

EARLY 1900s	Legacy entities built canals for 1900s agriculture	
1949	Texas City industries built industrial pumping plant	
1965	Texas Legislature established GCWA	
1971	Acquired private Texas City industrial water infrastructure assets	
1981	Acquired Thomas Mackey Water Treatment Plant in Texas City	
1988	Acquired Brazos River Authority water rights and canal assets	
2016	Established rice farming water metering program to reduce water use	
2020	Began construction on replacement $8.7 million Chocolate Bayou Pumping Plant	
2020	Commissioned new $19 million Joseph A. Willhelm Industrial Pumping Plant	

PLANNING FOR THE FUTURE

As we work today to reliably deliver water to our customers, we're also planning to meet demand for decades to come.

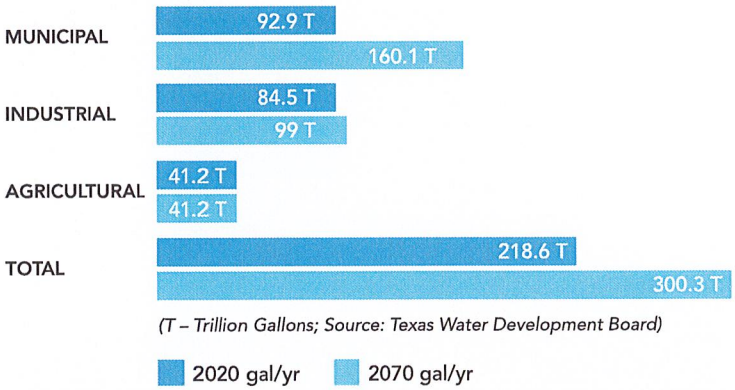
Water Resource Planning: By evaluating current customer usage and analyzing population and growth projections, we're developing water resource and infrastructure plans in coordination with our customers to meet future needs.

Capital Projects: Guided by our comprehensive strategy, we're prioritizing major capital projects to replace aging infrastructure to ensure reliability while minimizing customer rate impacts.

New Water Resources: Water is a limited resource but demand will continue to grow. In the next 50 years water demand in Texas is estimated to rise 17 percent, while water supply is predicted to fall by 11 percent.

To meet future demand in our 3-county service area, we'll diversify our water resources beyond the Brazos River Basin, our primary source of water. This could include better use of reclaimed water, acquisition of deep-water aquifer wells, and longer-term initiatives such as desalination.

ANNUAL WATER DEMAND PROJECTED FOR OUR 3-COUNTY SERVICE AREA:



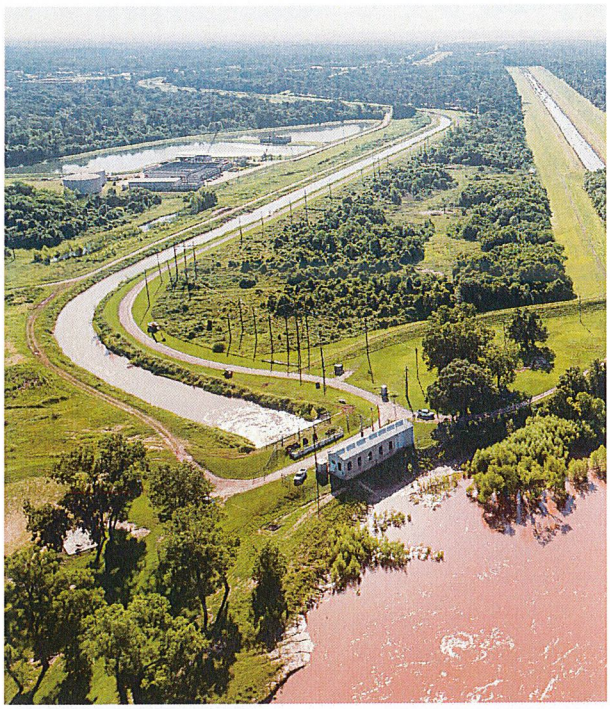
(T – Trillion Gallons; Source: Texas Water Development Board)

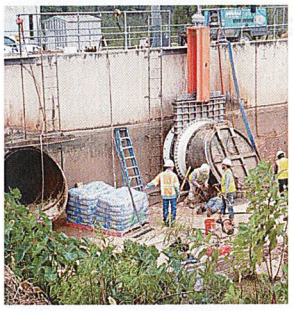
VITAL WATER FOR

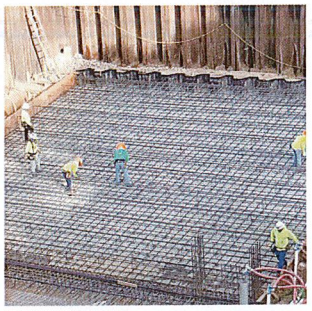
8 major industries

17,300 acres of farmland

18 communities







GULF COAST WATER AUTHORITY

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GCWA
Gulf Coast Water Authority

Gulf Coast Water Authority
CCR Summary Data
2020

	2020 Turbidity Summary		
Month	Highest NTU	Average NTU	% Samples < 0.3 NTU
Jan-20	0.10	0.06	100.0%
Feb-20	0.06	0.04	100.0%
Mar-20	0.10	0.04	100.0%
Apr-20	0.10	0.04	100.0%
May-20	0.08	0.05	100.0%
Jun-20	0.07	0.04	100.0%
Jul-20	0.06	0.05	100.0%
Aug-20	0.06	0.05	100.0%
Sep-20	0.08	0.05	100.0%
Oct-20	0.07	0.04	100.0%
Nov-20	0.06	0.04	100.0%
Dec-20	0.09	0.05	100.0%
Yr. Minimum	0.06	0.04	
Yr. Maximum	0.10	0.06	
Yr. Average	0.08	0.05	

		2020 TOC Removal at WTP POE				
Date	Raw mg/L	Alk mg/L	POE mg/L	Removal %	TCEQ %	Ratio
Jan-20	3.03	168	1.92	36.70	15.00	2.45
Feb-20	3.31	155	2.02	39.10	15.00	2.61
Mar-20	3.64	140	2.26	38.00	15.00	2.54
Apr-20	3.71	132	2.45	33.70	15.00	2.25
May-20	3.89	139	2.37	39.30	18.30	2.27
Jun-20	3.92	122	2.21	43.70	22.50	2.03
Jul-20	3.24	134	1.92	40.90	17.00	2.49
Aug-20	3.09	138	1.78	42.60	15.00	2.84
Sep-20	2.96	153	1.83	38.20	15.00	2.55
Oct-20	3.06	138	1.78	41.80	15.00	2.79
Nov-20	2.59	148	1.61	38.10	15.00	2.54
Dec-20	2.65	156	1.67	36.40	15.00	2.43
Average	3.26	143.58	1.99	39.04	16.07	2.48
Maximum	3.92	168.00	2.45	43.70	22.50	2.84
Minimum	2.59	122.00	1.61	33.70	15.00	2.03

Gulf Coast Water Authority
CCR Summary Data
2020

2020 Chlorite Data

Date	POE Chlorite Samples		
	Maximum mg/L	Minimum mg/L	Average mg/L
January	0.78	0.25	0.53
February	0.90	0.46	0.57
March	0.37	0.60	0.50
April	0.85	0.34	0.48
May	0.57	0.24	0.39
June	0.36	0.18	0.24
July	0.52	0.16	0.27
August	0.49	0.20	0.33
September	0.44	0.19	0.35
October	0.41	0.24	0.31
November	0.47	0.26	0.34
December	0.38	0.27	0.33
Average	0.55	0.28	0.39
Maximum	0.90	0.60	0.57
Minimum	0.36	0.16	0.24

2020 Chlorine Dioxide Data

Date	POE Chlorine Dioxide	
	Maximum ppb	Minimum ppb
January	0	0
February	0	0
March	0	0
April	0	0
May	0	0
June	0	0
July	0	0
August	0	0
September	0	0
October	0	0
November	0	0
December	0	0
Average	0	0
Maximum	0	0
Minimum	0	0

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: January 2020

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature:

Certificate No. & Grade: WO0041290, A

Date: February 7, 2020

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 1.0 NTU:	0		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.95
		Average log inactivation for viruses:	91.43
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:		0.5 mg/L, measured as Total Chlorine	
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.22
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system: 0.5 mg/L, measured as Total Chlorine

Total number of readings this month:	186 (at least 120 required) (8)	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	3.07		
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: ◉ NONE ○ ○ ○ CPE

Additional report(s) for individual filter monitoring submitted: ◉ NONE ○ Filter Profile (9) ○ Filter Assessment (10) ○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.76 NTU	Average turbidity value:	0.25 NTU
	Minimum turbidity reading:	0.13 NTU	Standard deviation:	0.133 NTU
	95th percentile value:	0.55 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.15 NTU	Average IFE turbidity value:	0.06 NTU
	Minimum IFEturbidity reading:	0.03 NTU	Standard deviation:	0.022 NTU
	95th percentile IFE value:	0.10 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.10 NTU	Average CFE turbidity value:	0.06 NTU
	Minimum CFE turbidity reading:	0.03 NTU	Standard deviation:	0.011 NTU
	95th percentile CFE value:	0.08 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.50 pH	Average pH value:	7.35 pH
	Minimum pH reading:	7.22 pH	Standard deviation:	0.054 pH
	95th percentile value:	7.43 pH		

SURFACE WATER MONTHLY OPERATING REPORT

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

PWS ID No.: 0840153
Plant ID No.: 14813
Report for the Month of: February 2020

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature:

Certificate No. & Grade: WO0041290, A

Date: March 5, 2020

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	174	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line	
Number of readings above 0.3 NTU:	0	but turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line	
Number of readings above 1.0 NTU:	0	but individual filter turbidity data was not collected:	0
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.57
		Average log inactivation for viruses:	78.51
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0

Minimum disinfectant residual required leaving the plant: 0.5 mg/L, measured as Total Chlorine

Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.21
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system: 0.5 mg/L, measured as Total Chlorine

Total number of readings this month:	174 (at least 120 required) (8)		
Average disinfectant residual value:	3.15	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: ◉ NONE ○ ○ ○ CPE

Additional report(s) for individual filter monitoring submitted: ◉ NONE ○ Filter Profile (9) ○ Filter Assessment (10) ○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	1.42 NTU	Average turbidity value:	0.39 NTU
	Minimum turbidity reading:	0.19 NTU	Standard deviation:	0.208 NTU
	95th percentile value:	0.71 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.14 NTU	Average IFE turbidity value:	0.05 NTU
	Minimum IFEturbidity reading:	0.02 NTU	Standard deviation:	0.024 NTU
	95th percentile IFE value:	0.10 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.06 NTU	Average CFE turbidity value:	0.04 NTU
	Minimum CFE turbidity reading:	0.03 NTU	Standard deviation:	0.006 NTU
	95th percentile CFE value:	0.05 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.36 pH	Average pH value:	7.28 pH
	Minimum pH reading:	7.21 pH	Standard deviation:	0.037 pH
	95th percentile value:	7.34 pH		

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: March 2020

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature:

Certificate No. & Grade: WO0041290, A

Date: April 2, 2020

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 1.0 NTU:	0		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.42
		Average log inactivation for viruses:	103.56
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:		0.5 mg/L, measured as Total Chlorine	
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.12
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:		0.5 mg/L, measured as Total Chlorine	
Total number of readings this month:	186 (at least 120 required) (8)		
Average disinfectant residual value:	3.01	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: ◉ NONE ○ Filter Profile ○ Filter Assessment ○ CPE

Additional report(s) for individual filter monitoring submitted: ◉ NONE ○ Filter Profile (9) ○ Filter Assessment (10) ○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	1.15 NTU	Average turbidity value:	0.42 NTU
	Minimum turbidity reading:	0.14 NTU	Standard deviation:	0.280 NTU
	95th percentile value:	1.01 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.86 NTU	Average IFE turbidity value:	0.06 NTU
	Minimum IFEturbidity reading:	0.02 NTU	Standard deviation:	0.064 NTU
	95th percentile IFE value:	0.10 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.10 NTU	Average CFE turbidity value:	0.04 NTU
	Minimum CFE turbidity reading:	0.03 NTU	Standard deviation:	0.010 NTU
	95th percentile CFE value:	0.06 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.40 pH	Average pH value:	7.23 pH
	Minimum pH reading:	7.12 pH	Standard deviation:	0.063 pH
	95th percentile value:	7.30 pH		

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: April 2020

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature:

Certificate No. & Grade: WO0041290, A

Date: May 6, 2020

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	180	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line	
Number of readings above 0.3 NTU:	0	but turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line	
Number of readings above 1.0 NTU:	0	but individual filter turbidity data was not collected:	0
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.93
		Average log inactivation for viruses:	121.60
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0

Minimum disinfectant residual required leaving the plant:		0.5 mg/L, measured as Total Chlorine	
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.15
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:		0.5 mg/L, measured as Total Chlorine	
Total number of readings this month:	180 (at least 120 required) (8)		
Average disinfectant residual value:	3.05	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required:	◉ NONE	○ Filter Profile	○ Filter Assessment	○ CPE
Additional report(s) for individual filter monitoring submitted:	◉ NONE	○ Filter Profile (9)	○ Filter Assessment (10)	○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.99 NTU	Average turbidity value:	0.42 NTU
	Minimum turbidity reading:	0.16 NTU	Standard deviation:	0.224 NTU
	95th percentile value:	0.86 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.12 NTU	Average IFE turbidity value:	0.05 NTU
	Minimum IFEturbidity reading:	0.02 NTU	Standard deviation:	0.018 NTU
	95th percentile IFE value:	0.09 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.10 NTU	Average CFE turbidity value:	0.04 NTU
	Minimum CFE turbidity reading:	0.03 NTU	Standard deviation:	0.010 NTU
	95th percentile CFE value:	0.06 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.44 pH	Average pH value:	7.23 pH
	Minimum pH reading:	7.15 pH	Standard deviation:	0.064 pH
	95th percentile value:	7.36 pH		

SURFACE WATER MONTHLY OPERATING REPORT

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: May 2020

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: Victoria J. Tan

Certificate No. & Grade: WO0041290, A

Date: June 4, 2020

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 1.0 NTU:	0		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	4.58
		Average log inactivation for viruses:	145.33
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.15
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	186 (at least 120 required) (8)	Percentage of readings with a low residual this month:	0.0 % (6A)
Average disinfectant residual value:	3.09		
Number of readings with a low residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)
Number of readings with no detectable residual:	0		

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required:	◉ NONE	○ Filter Profile	○ Filter Assessment	○ CPE
Additional report(s) for individual filter monitoring submitted:	◉ NONE	○ Filter Profile (9)	○ Filter Assessment (10)	○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	1.21 NTU	Average turbidity value:	0.45 NTU
	Minimum turbidity reading:	0.11 NTU	Standard deviation:	0.239 NTU
	95th percentile value:	0.87 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.15 NTU	Average IFE turbidity value:	0.06 NTU
	Minimum IFEturbidity reading:	0.03 NTU	Standard deviation:	0.021 NTU
	95th percentile IFE value:	0.10 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.08 NTU	Average CFE turbidity value:	0.05 NTU
	Minimum CFE turbidity reading:	0.04 NTU	Standard deviation:	0.008 NTU
	95th percentile CFE value:	0.06 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.36 pH	Average pH value:	7.26 pH
	Minimum pH reading:	7.15 pH	Standard deviation:	0.062 pH
	95th percentile value:	7.35 pH		

SURFACE WATER MONTHLY OPERATING REPORT

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: June 2020

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature:

Certificate No. & Grade: WO0041290, A

Date: July 6, 2020

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	180	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line	
Number of readings above 0.3 NTU:	0	but turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line	
Number of readings above 1.0 NTU:	0	but individual filter turbidity data was not collected:	0
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	5.62
		Average log inactivation for viruses:	181.16
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0

Minimum disinfectant residual required leaving the plant: 0.5 mg/L, measured as Total Chlorine

Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.09
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system: 0.5 mg/L, measured as Total Chlorine

Total number of readings this month:	180 (at least 120 required) (8)		
Average disinfectant residual value:	3.08	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: ◉ NONE ○ Filter Profile ○ Filter Assessment ○ CPE

Additional report(s) for individual filter monitoring submitted: ◉ NONE ◉ Filter Profile (9) ○ Filter Assessment (10) ○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	1.67 NTU	Average turbidity value:	0.60 NTU
	Minimum turbidity reading:	0.14 NTU	Standard deviation:	0.383 NTU
	95th percentile value:	1.37 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.14 NTU	Average IFE turbidity value:	0.05 NTU
	Minimum IFEturbidity reading:	0.02 NTU	Standard deviation:	0.016 NTU
	95th percentile IFE value:	0.08 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.07 NTU	Average CFE turbidity value:	0.04 NTU
	Minimum CFE turbidity reading:	0.03 NTU	Standard deviation:	0.006 NTU
	95th percentile CFE value:	0.05 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.30 pH	Average pH value:	7.21 pH
	Minimum pH reading:	7.09 pH	Standard deviation:	0.055 pH
	95th percentile value:	7.29 pH		

SURFACE WATER MONTHLY OPERATING REPORT

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: July 2020

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature:

Certificate No. & Grade: WO0041290, A

Date: August 5, 2020

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 1.0 NTU:	0		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	5.46
		Average log inactivation for viruses:	174.62
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:		0.5 mg/L, measured as Total Chlorine	
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.11
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:		0.5 mg/L, measured as Total Chlorine	
Total number of readings this month:	186	(at least 120 required) (8)	
Average disinfectant residual value:	3.07	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: ◉ NONE ○ Filter Profile ○ Filter Assessment ○ CPE

Additional report(s) for individual filter monitoring submitted: ◉ NONE ○ Filter Profile (9) ○ Filter Assessment (10) ○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.77 NTU	Average turbidity value:	0.31 NTU
	Minimum turbidity reading:	0.09 NTU	Standard deviation:	0.154 NTU
	95th percentile value:	0.57 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.15 NTU	Average IFE turbidity value:	0.05 NTU
	Minimum IFEturbidity reading:	0.03 NTU	Standard deviation:	0.014 NTU
	95th percentile IFE value:	0.07 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.06 NTU	Average CFE turbidity value:	0.05 NTU
	Minimum CFE turbidity reading:	0.03 NTU	Standard deviation:	0.005 NTU
	95th percentile CFE value:	0.05 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.33 pH	Average pH value:	7.23 pH
	Minimum pH reading:	7.11 pH	Standard deviation:	0.050 pH
	95th percentile value:	7.31 pH		

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: August 2020

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature:

Certificate No. & Grade: WO0041290, A

Date: September 3, 2020

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line	
Number of readings above 0.3 NTU:	0	but turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line	
Number of readings above 1.0 NTU:	0	but individual filter turbidity data was not collected:	0
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	5.27
		Average log inactivation for viruses:	174.72
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.20
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	186 (at least 120 required) (8)		
Average disinfectant residual value:	3.09	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: ◉ NONE ○ Filter Profile ○ Filter Assessment ○ CPE

Additional report(s) for individual filter monitoring submitted: ◉ NONE ○ Filter Profile (9) ○ Filter Assessment (10) ○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.80 NTU	Average turbidity value:	0.30 NTU
	Minimum turbidity reading:	0.12 NTU	Standard deviation:	0.138 NTU
	95th percentile value:	0.56 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.15 NTU	Average IFE turbidity value:	0.05 NTU
	Minimum IFEturbidity reading:	0.03 NTU	Standard deviation:	0.016 NTU
	95th percentile IFE value:	0.08 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.06 NTU	Average CFE turbidity value:	0.05 NTU
	Minimum CFE turbidity reading:	0.04 NTU	Standard deviation:	0.005 NTU
	95th percentile CFE value:	0.06 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.40 pH	Average pH value:	7.28 pH
	Minimum pH reading:	7.20 pH	Standard deviation:	0.048 pH
	95th percentile value:	7.30 pH		

SURFACE WATER MONTHLY OPERATING REPORT

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

PWS ID No.: 0840153
Plant ID No.: 14813
Report for the Month of: September 2020

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature:

Certificate No. & Grade: WO0041290, A

Date: October 2, 2020

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	180	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line	
Number of readings above 0.3 NTU:	0	but turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line	
Number of readings above 1.0 NTU:	0	but individual filter turbidity data was not collected:	0
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	5.37
		Average log inactivation for viruses:	177.59
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:		0.5 mg/L, measured as Total Chlorine	
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.12
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:		0.5 mg/L, measured as Total Chlorine	
Total number of readings this month:	186	(at least 120 required) (8)	
Average disinfectant residual value:	3.13	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: ◉ NONE ○ Filter Profile ○ Filter Assessment ○ CPE

Additional report(s) for individual filter monitoring submitted: ◉ NONE ○ Filter Profile (9) ○ Filter Assessment (10) ○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.74 NTU	Average turbidity value:	0.28 NTU
	Minimum turbidity reading:	0.10 NTU	Standard deviation:	0.119 NTU
	95th percentile value:	0.48 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.17 NTU	Average IFE turbidity value:	0.06 NTU
	Minimum IFEturbidity reading:	0.03 NTU	Standard deviation:	0.021 NTU
	95th percentile IFE value:	0.10 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.08 NTU	Average CFE turbidity value:	0.05 NTU
	Minimum CFE turbidity reading:	0.03 NTU	Standard deviation:	0.009 NTU
	95th percentile CFE value:	0.07 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.49 pH	Average pH value:	7.30 pH
	Minimum pH reading:	7.12 pH	Standard deviation:	0.069 pH
	95th percentile value:	7.41 pH		

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

PWS ID No.: 0840153
Plant ID No.: 14813
Report for the Month of: October 2020

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature:

Certificate No. & Grade: WO0041290, A

Date: November 5, 2020

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line but turbidity data was not collected:	0
Number of readings above 0.3 NTU:	0		
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line but individual filter turbidity data was not collected:	0
Number of readings above 1.0 NTU:	0		
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	4.30
		Average log inactivation for viruses:	128.08
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:		0.5 mg/L, measured as Total Chlorine	
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.00
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:		0.5 mg/L, measured as Total Chlorine	
Total number of readings this month:	186	(at least 120 required) (8)	
Average disinfectant residual value:	3.14	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: ◉ NONE ○ Filter Profile ○ Filter Assessment ○ CPE

Additional report(s) for individual filter monitoring submitted: ◉ NONE ○ Filter Profile (9) ○ Filter Assessment (10) ○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.99 NTU	Average turbidity value:	0.33 NTU
	Minimum turbidity reading:	0.12 NTU	Standard deviation:	0.122 NTU
	95th percentile value:	0.47 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.14 NTU	Average IFE turbidity value:	0.05 NTU
	Minimum IFEturbidity reading:	0.03 NTU	Standard deviation:	0.018 NTU
	95th percentile IFE value:	0.08 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.07 NTU	Average CFE turbidity value:	0.04 NTU
	Minimum CFE turbidity reading:	0.03 NTU	Standard deviation:	0.006 NTU
	95th percentile CFE value:	0.05 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.29 pH	Average pH value:	7.09 pH
	Minimum pH reading:	7.00 pH	Standard deviation:	0.075 pH
	95th percentile value:	7.22 pH		

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

PWS ID No.: 0840153
Plant ID No.: 14813
Report for the Month of: November 2020

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature:

Certificate No. & Grade: WO0041290, A

Date: December 3, 2020

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	180	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line	
Number of readings above 0.3 NTU:	0	but turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line	
Number of readings above 1.0 NTU:	0	but individual filter turbidity data was not collected:	0
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	3.55
		Average log inactivation for viruses:	107.50
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:	0.5 mg/L, measured as Total Chlorine		
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.01
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:	0.5 mg/L, measured as Total Chlorine		
Total number of readings this month:	180 (at least 120 required) (8)		
Average disinfectant residual value:	3.10	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required:	◉ NONE	○ Filter Profile	○ Filter Assessment	○ CPE
Additional report(s) for individual filter monitoring submitted:	◉ NONE	○ Filter Profile (9)	○ Filter Assessment (10)	○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.49 NTU	Average turbidity value:	0.22 NTU
	Minimum turbidity reading:	0.14 NTU	Standard deviation:	0.064 NTU
	95th percentile value:	0.36 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.34 NTU	Average IFE turbidity value:	0.05 NTU
	Minimum IFEturbidity reading:	0.02 NTU	Standard deviation:	0.021 NTU
	95th percentile IFE value:	0.07 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.06 NTU	Average CFE turbidity value:	0.04 NTU
	Minimum CFE turbidity reading:	0.03 NTU	Standard deviation:	0.007 NTU
	95th percentile CFE value:	0.05 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.80 pH	Average pH value:	7.16 pH
	Minimum pH reading:	7.01 pH	Standard deviation:	0.140 pH
	95th percentile value:	7.28 pH		

SURFACE WATER MONTHLY OPERATING REPORT
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

SURFACE WATER MONTHLY OPERATING REPORT

FOR PUBLIC WATER SYSTEMS THAT ARE USING SURFACE WATER SOURCES
OR GROUND WATER SOURCES UNDER THE INFLUENCE OF SURFACE WATER

Summary Page

PUBLIC WATER SYSTEM NAME: GULF COAST WATER AUTHORITY TX CITY

PLANT NAME OR NUMBER: SWTP - THOMAS MACKEY WTP - BRAZOS

PWS ID No.: 0840153

Plant ID No.: 14813

Report for the Month of: December 2020

I certify that I am familiar with the information contained in this report and that, to the best of my knowledge, the information is true, complete, and accurate.

Operator's Signature: Antonio D. Flores

Certificate No. & Grade: WO0041290, A

Date: January 6, 2021

TREATMENT PLANT PERFORMANCE

Total number of turbidity readings:	186	Number of 4-hour periods when plant was off-line:	0
Number of readings above 0.10 NTU:	0	Number of 4-hour periods when plant was on-line	
Number of readings above 0.3 NTU:	0	but turbidity data was not collected:	0
Number of readings above 0.5 NTU:	0	Number of days when plant was on-line	
Number of readings above 1.0 NTU:	0	but individual filter turbidity data was not collected:	0
Maximum allowable turbidity level:	0.3	Number of days with readings above 1.0 NTU:	0 (2)
Percentage of readings above this limit:	0.0 % (1)	Number of days with readings above 5.0 NTU:	0 (3)
Number of days with a low CT for no more than 4.0 consecutive hours:	0	Average log inactivation for Giardia:	2.78
		Average log inactivation for viruses:	87.97
Number of days with a low CT for more than 4.0 consecutive hours:	0 (4)	Number of days when profiling data was not collected:	0
		Number of days when CT data was not collected:	0
Minimum disinfectant residual required leaving the plant:		0.5 mg/L, measured as Total Chlorine	
Number of days with a low residual for no more than 4.0 consecutive hours:	0	Minimum pH in the last disinfection zone:	7.20
		Number of days with pH below 7.0 in the last disinfection zone:	0.00
Number of days with a low residual for more than 4.0 consecutive hours:	0 (5)	Number of days when disinfectant residual leaving the plant was not properly monitored:	0

DISTRIBUTION SYSTEM

Minimum disinfectant residual required in distribution system:		0.5 mg/L, measured as Total Chlorine	
Total number of readings this month:	186	(at least 120 required) (8)	
Average disinfectant residual value:	3.09	Percentage of readings with a low residual this month:	0.0 % (6A)
Number of readings with a low residual:	0		
Number of readings with no detectable residual:	0	Percentage of readings with a low residual last month:	0.0 % (6B)

ADDITIONAL REPORTS & WORKSHEETS

The Page 1 Addendum (Public Notices) is not required because there were no treatment technique or monitoring/reporting violations reported.

Additional report(s) for individual filter monitoring required: ◉ NONE ○ Filter Profile ○ Filter Assessment ○ CPE

Additional report(s) for individual filter monitoring submitted: ◉ NONE ○ Filter Profile (9) ○ Filter Assessment (10) ○ CPE (11)

No additional IFE Reports are required this month.

STATISTICAL ANALYSIS OF TURBIDITY DATA

Settled Water Stastical Summary	Maximum turbidity reading:	0.60 NTU	Average turbidity value:	0.26 NTU
	Minimum turbidity reading:	0.09 NTU	Standard deviation:	0.089 NTU
	95th percentile value:	0.42 NTU		
IFE Stastical Summary	Maximum IFE turbidity reading:	0.19 NTU	Average IFE turbidity value:	0.05 NTU
	Minimum IFEturbidity reading:	0.03 NTU	Standard deviation:	0.025 NTU
	95th percentile IFE value:	0.09 NTU		
CFE Stastical Summary	Maximum CFE turbidity reading:	0.09 NTU	Average CFE turbidity value:	0.05 NTU
	Minimum CFE turbidity reading:	0.03 NTU	Standard deviation:	0.012 NTU
	95th percentile CFE value:	0.08 NTU		

STATISTICAL ANALYSIS OF pH DATA

Last Zone pH Stastical Summary	Maximum pH reading:	7.36 pH	Average pH value:	7.27 pH
	Minimum pH reading:	7.20 pH	Standard deviation:	0.039 pH
	95th percentile value:	7.33 pH		

SURFACE WATER MONTHLY OPERATING REPORT

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
WATER SUPPLY DIVISION/PUBLIC DRINKING WATER SECTION (MC-155)
P.O. BOX 13087, AUSTIN, TEXAS 78711-3087

TEXAS Department of State Health Services

Texas Department of State Health Services

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LABORATORY SERVICES SECTION, MC-1947
1100 W. 49th St., Austin, Tx. 78756 (512)458-7587

*SINGLE MINERAL
Analysis Report

Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY
JONES, RUSSELL, C
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Date Reported : 02/20/2020
Report ID# : 20200220105420AE97238

Lab Sample ID# : AE97238
Sample Priority : NORMAL
TCEQ ID#(s) : 2031359

Water Source :
Entry Point(s) : EP001

Date Collected : 02/06/2020 11:32
Date Received : 02/07/2020

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Total Cyanide [1]	**0.12**	mg/L	10-204-00-1-X	02/13/2020 12:07	MD

Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted([1]) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead HNGO on 02/19/2020

TEXAS Department of State Health Services

Texas Department of State Health Services

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*ALL METALS
Analysis Report

Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY
JONES, RUSSELL, C
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Date Reported : 02/20/2020
Report ID# : 20200220105420AE97259

Lab Sample ID# : AE97259
Sample Priority : NORMAL
TCEQ ID#(s) : 2014297
Water Source :
Entry Point(s) : EP001
Date Collected : 02/06/2020 11:31
Date Received : 02/07/2020

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Acidification	Completed		EPA 200.2	02/07/2020	BF
pH Check	Completed		EPA 200.2	02/10/2020	TH
Turbidity Screen	Completed		SM 2130B	02/10/2020	TH
Visible Particles	Completed			02/10/2020	TH
Total Hardness as CaCO3 by Calculation	**173**	mg/L	SM 2340B	02/10/2020	BF
Aluminum [1]	< 0.0200	mg/L	EPA 200.8	02/11/2020	AS
Antimony [1]	< 0.0010	mg/L	EPA 200.8	02/11/2020	AS
Arsenic [1]	< 0.0020	mg/L	EPA 200.8	02/11/2020	AS
Barium [1]	**0.107**	mg/L	EPA 200.8	02/11/2020	AS
Beryllium [1]	< 0.00080	mg/L	EPA 200.8	02/11/2020	AS
Cadmium [1]	< 0.0010	mg/L	EPA 200.8	02/11/2020	AS
Calcium	**49.0**	mg/L	EPA 200.7	02/10/2020	BF
Chromium [1]	< 0.0100	mg/L	EPA 200.8	02/11/2020	AS
Copper [1]	**0.0078**	mg/L	EPA 200.8	02/11/2020	AS
Iron [1]	< 0.010	mg/L	EPA 200.7	02/10/2020	BF
Lead [1]	< 0.0010	mg/L	EPA 200.8	02/11/2020	AS
Magnesium [1]	**12.4**	mg/L	EPA 200.7	02/10/2020	BF
Manganese [1]	< 0.0010	mg/L	EPA 200.8	02/11/2020	AS
Mercury [1]	< 0.00040	mg/L	EPA 245.1	02/14/2020	BF
Nickel [1]	**0.0028**	mg/L	EPA 200.8	02/11/2020	AS
Potassium [1]	**4.84**	mg/L	EPA 200.7	02/10/2020	BF
Selenium [1]	< 0.0030	mg/L	EPA 200.8	02/11/2020	AS
Silver [1]	< 0.0100	mg/L	EPA 200.8	02/11/2020	AS
Sodium [1]	**55.5**	mg/L	EPA 200.7	02/10/2020	BF
Thallium [1]	< 0.00040	mg/L	EPA 200.8	02/11/2020	AS
Zinc [1]	**0.142**	mg/L	EPA 200.8	02/11/2020	AS

Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted([1]) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead EBOYER on 02/18/2020

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*ALL MINERALS
Analysis Report

Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY
JONES, RUSSELL, C
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Date Reported : 02/25/2020
Report ID# : 20200225140512AE97229

Lab Sample ID# : AE97229
Sample Priority : NORMAL
TCEQ ID#(s) : 2016961

Water Source :
Entry Point(s) : EP001

Date Collected : 02/06/2020 11:32
Date Received : 02/07/2020

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Field pH Result	7.9	pH			
Diluted Conductance @ 25.0 °C [1]	**707**	µmho/cm	SM 2510 B	02/11/2020 08:30	AD
Phenolphthalein Alkalinity as CaCO3	<2	mg/L	SM 2320B	02/07/2020 15:13	NP
Total Alkalinity as CaCO3	**153**	mg/L	SM 2320B	02/07/2020 15:13	NP
Bicarbonate	**187**	mg/L	SM 2320B	02/07/2020 15:13	NP
Carbonate	<2	mg/L	SM 2320B	02/07/2020 15:13	NP
Fluoride [1]	**0.38**	mg/L	EPA 300.0	02/14/2020 18:22	NP
Chloride [1]	**77**	mg/L	EPA 300.0	02/19/2020 12:17	NP
Sulfate [1]	**68**	mg/L	EPA 300.0	02/14/2020 18:22	NP
Total Dissolved Solids [1]	**371**	mg/L	SM 2540C	02/10/2020 08:12	AD
Nitrate as N [1]	**0.50**	mg/L	EPA 353.2	02/07/2020 14:10	NP

Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted([1]) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead HNGO on 02/21/2020

TEXAS Department of State Health Services

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Semivolatiles Organic Analysis Report

Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY
JONES, RUSSELL, C
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Date Reported : 03/05/2020
Report ID# : 20200305095232AE97406

Lab Sample ID# : AE97406
Sample Priority : NORMAL
TCEQ ID#(s) : 2009474
Water Source :
Entry Point(s) : EP001

Date Collected : 02/06/2020 11:30
Date Received : 02/07/2020
Date Analyzed : 02/13/2020
Extraction Date : 02/12/2020

Conc. Units : µg/L
Method : EPA 525.2
Analyst : KL
Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Alachlor [1]	<0.2	
Atrazine [1]	**0.11**	N
Benzo[a]pyrene [1]	<0.02	
alpha-Chlordane	<0.2	
gamma-Chlordane	<0.2	
trans-Nonachlor	<0.2	
Di(2-ethylhexyl) adipate [1]	<0.6	
Di(2-ethylhexyl) phthalate [1]	<0.6	
Heptachlor [1]	<0.04	
Hexachlorobenzene [1]	<0.1	
Hexachlorocyclopentadiene [1]	<0.1	*
Lindane [1]	<0.02	
Methoxychlor [1]	<0.1	
Simazine [1]	<0.07	

Monitored Compounds	Result	Qualifier
Acenaphthene	<0.20	
Acenaphthylene	<0.20	
Aldrin	<0.20	
Anthracene	<0.20	
Benzo(a)anthracene	<0.20	
Benzo[b]fluoranthene	<0.20	
Benzo[g,h,i]perylene	<0.20	
Benzo[k]fluoranthene	<0.20	
Bromacil	<0.20	
Butachlor	<0.20	
Butylbenzylphthalate	<2.0	
2-Chlorobiphenyl	<0.20	
Chrysene	<0.20	
Dibenz[a,h]anthracene	<0.20	
Di-n-butylphthalate	<2.0	
2,3-Dichlorobiphenyl	<0.20	
Dieldrin	<0.20	
Diethylphthalate	<2.0	

Monitored Compounds continued	Result	Qualifier
Dimethylphthalate	<2.0	
Fluorene	<0.20	
2,2',3,3',4,4',6-Heptachlorobiphenyl	<0.50	
2,2',4,4',5,6'-Hexachlorobiphenyl	<0.20	
Indeno[1,2,3-cd]pyrene	<0.20	
Metolachlor	<0.20	
Metribuzin	<0.20	
Naphthalene	<0.20	
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	<0.50	
2,2',3',4,6-Pentachlorobiphenyl	<0.20	
Phenanthrene	<0.20	
Propachlor	<0.20	
Pyrene	<0.20	
2,2',4,4'-Tetrachlorobiphenyl	<0.20	
2,4,5-Trichlorobiphenyl	<0.20	
Trifluralin	<0.20	

Comments:

N - See sample comments.
* - This analyte has known instability and/or method performance issues and quantitation should be considered approximate.

EPA M525.2: presence of atrazine confirmed by previous analyses per the Texas Drinking Water watch website. The test results on this report relate only to the sample identified on this report. The test results for analytes noted([1]) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead AVINYARD on 03/04/2020

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LABORATORY SERVICES SECTION, MC-1947
1100 W. 49th St., Austin, Tx. 78756 (512)458-7587

Pesticides by Method 508.1
Analysis Report

Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY
JONES, RUSSELL, C
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Date Reported : 03/05/2020
Report ID# : 20200305095232AE97406

Lab Sample ID# : AE97406
Sample Priority : NORMAL
TCEQ ID#(s) : 2009474

Water Source :
Entry Point(s) : EP001

Date Collected : 02/06/2020 11:30
Date Received : 02/07/2020
Date Analyzed : 02/19/2020

Conc. Units : ug/L
Method : 508.1 Rev. 2.0
Analyst : JH
Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Chlordane [1]	<0.20	
Endrin [1]	<0.01	
Heptachlor epoxide [1]	<0.02	
Toxaphene [1]	<1.0	

Comments:

EPA M525.2: presence of atrazine confirmed by previous analyses per the Texas Drinking Water watch website. The test results on this report relate only to the sample identified on this report. The test results for analytes noted([1]) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead AVINYARD on 03/04/2020

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Trihalomethanes by GC/MS
Analysis Report

Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY
JONES, RUSSELL, C
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Date Reported : 06/11/2020
Report ID# : 20200611094017AF12323

Lab Sample ID# : AF12323
Sample Priority : NORMAL
TCEQ ID#(s) : 2054957

Water Source :
Entry Point(s) : DBP2-01

Date Collected : 05/21/2020 09:36
Date Received : 05/22/2020
Date Analyzed : 06/02/2020

Conc. Units : µg/L
Method : EPA 524.2
Analyst : KL
Sample Cond. : Acceptable

Trihalomethanes	Result	Qualifier
Chloroform	**4.4**	
Bromodichloromethane	**10.5**	
Dibromochloromethane	**15.0**	
Bromoform	**5.9**	
Total Trihalomethanes [1]	**35.8**	

Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted(1) meet all TNI (2009 Standard) requirements.

Authorized by Group Manager TDUNN on 06/09/2020

TEXAS Department of State Health Services

Texas Department of State Health Services

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Haloacetic Acids
Analysis Report

Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY
JONES, RUSSELL, C
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Date Reported : 06/11/2020
Report ID# : 20200611094017AF12323

Lab Sample ID# : AF12323
Sample Priority : NORMAL
TCEQ ID#(s) : 2054957

Water Source :
Entry Point(s) : DBP2-01

Date Collected : 05/21/2020 09:36
Date Received : 05/22/2020
Date Analyzed : 05/30/2020
Extraction Date : 05/28/2020

Conc. Units : µg/L
Method : 552.2 Rev 1.0
Analyst : BF
Sample Cond. : Acceptable

Regulated Compounds	Result	Qualifier
Monochloroacetic acid	<2.0	
Dichloroacetic acid	**4.9**	
Trichloroacetic acid	**1.8**	
Monobromoacetic acid	<1.0	
Dibromoacetic acid	**4.9**	
Total HAA5 [1]	**11.6**	

Monitored Compounds	Result	Qualifier
Bromochloroacetic acid	**4.8**	
Dalapon	<1.0	

Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted([1]) meet all TNI (2009 Standard) requirements.

Authorized by Group Manager TDUNN on 06/09/2020

TEXAS Department of State Health Services

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Volatile Organic Compounds by GC/MS
Analysis Report

Submitter Identification Number: 0840153

GULF COAST WATER AUTHORITY TX CITY
JONES, RUSSELL, C
3630 HIGHWAY 1765
TEXAS CITY, TX 77591-4824

Date Reported : 08/13/2020
Report ID# : 20200813091200AF19499

Lab Sample ID# : AF19499
Sample Priority : NORMAL
TCEQ ID#(s) : 2007049

Water Source :
Entry Point(s) : EP001

Date Collected : 07/15/2020 11:35
Date Received : 07/16/2020
Date Analyzed : 07/24/2020

Conc. Units : µg/L
Method : EPA 524.2
Analyst : TB
Sample Cond. : Acceptable

Regulated Cmpds.[40 CFR 141.61(a)]	Result	Qualifier
Benzene [1]	<0.5	
Carbon tetrachloride [1]	<0.5	
Monochlorobenzene [1]	<0.5	
o-Dichlorobenzene [1]	<0.5	
para-Dichlorobenzene [1]	<0.5	
1,2-Dichloroethane [1]	<0.5	
1,1-Dichloroethylene [1]	<0.5	
cis-1,2-Dichloroethylene [1]	<0.5	
trans-1,2-Dichloroethylene [1]	<0.5	
1,2-Dichloropropane [1]	<0.5	
Dichloromethane [1]	<0.5	
Ethylbenzene [1]	<0.5	
Styrene [1]	<0.5	
Tetrachloroethylene [1]	<0.5	
Toluene [1]	<0.5	
1,2,4-Trichlorobenzene [1]	<0.5	
1,1,1-Trichloroethane [1]	<0.5	
1,1,2-Trichloroethane [1]	<0.5	
Trichloroethylene [1]	<0.5	
Vinyl chloride [1]	<0.5	
Xylenes (total) [1]	<0.5	

Monitored Cmpds.[40 CFR 141.40(e)]	Result	Qualifier
Chloroform	**3.6**	
Bromodichloromethane	**9.6**	
Dibromochloromethane	**13**	
Bromoform	**4.9**	
Dibromomethane	<1.0	
1,3-Dichlorobenzene	<1.0	
1,1-Dichloropropene	<1.0	
1,1-Dichloroethane	<1.0	
1,1,2,2-Tetrachloroethane	<1.0	
1,3-Dichloropropane	<1.0	
Chloromethane	<2.0	
Bromomethane	<2.0	
1,2,3-Trichloropropane	<1.0	
1,1,1,2-Tetrachloroethane	<1.0	
Chloroethane	<2.0	
2,2-Dichloropropane	<1.0	
2-Chlorotoluene	<1.0	
4-Chlorotoluene	<1.0	
Bromobenzene	<1.0	
cis-1,3-Dichloropropene	<1.0	
trans-1,3-Dichloropropene	<1.0	

Monitored Cmpds.[40 CFR 141.40(j)]	Result	Qualifier
1,2,4-Trimethylbenzene	<1.0	
1,2,3-Trichlorobenzene	<1.0	
n-Propylbenzene	<1.0	
n-Butylbenzene	<1.0	
Naphthalene	<1.0	
Hexachlorobutadiene	<1.0	
1,3,5-Trimethylbenzene	<1.0	
4-Isopropyltoluene	<1.0	
Isopropylbenzene	<1.0	
t-Butylbenzene	<1.0	
s-Butylbenzene	<1.0	
Trichlorofluoromethane	<2.0	
Dichlorodifluoromethane	<2.0	
Bromochloromethane	<1.0	

Other Compounds	Result	Qualifier
Acetone	<10	
Acrylonitrile	<10	
2-Butanone (MEK)	<10	
Carbon disulfide	<1.0	
Ethyl methacrylate	<1.0	
2-Hexanone	<1.0	
Iodomethane	<5.0	
Methyl methacrylate	<1.0	
4-Methyl-2-pentanone (MIBK)	<2.0	
Methyl-t-butyl ether (MTBE)	<0.5	
Tetrahydrofuran	<5.0	

Comments:

The test results on this report relate only to the sample identified on this report. The test results for analytes noted([1]) meet all TNI (2009 Standard) requirements.

Authorized by Team Lead CJONES on 08/11/2020